



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/657,318
Filing Date	09/08/2003
First Named Inventor	Martin, Allen
Art Unit	3748
Examiner Name	Trieu, Thai-Ba
Attorney Docket Number	PHDL0525-006

Examiner Initials*	Cite No. ¹	U. S. PATENT DOCUMENTS		Name of Patentee or Applicant of Cited Document	Class / subclass Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY		
		US- 6,129,510	10-10-2000	Martin-	Duplicate
TTB		US-5,368,004	11-29-1994	Mann	1231559.1
TTB		US-5,302,157	04-12-1994	Oruga et al.	474/166
		US- 5,176,581	01-05-1993	Kumm-	Duplicate
TTB		US-3,590,791	07-06-1971	Roosa	1231559.1
		US-5,308,291	05-03-1994	Robertson et al.	474/205
		US-5,423,304	06-13-1995	Lawrence et al.	1231559.1
		US-5,911,211	06-15-1999	Uchida	1231559.1
		US-5,020,971	08-04-1991	Greenspan	4161204A
		US-4,896,734	01-30-1990	Horiuchi et al.	1231559.1
		US-5,060,622	10-29-1991	Suzuki	1231559.1
TTB		US-5,887,576	03-30-1999	Wheeler, Jr. et al.	1231559.1
		US- 5,112,281	05-12-1992	Minato et al.	Duplicate
TTB		US-4,770,549	09-13-1988	Rokkaku et al.	3841492
		US-4,773,895	09-27-1988	Takami et al.	4741238
		US-4,815,428	03-28-1989	Bunk	1231559.1
		US-4,913,690	04-03-1990	Di Giacomo et al.	4741250
		US-4,934,837	06-19-1990	Kawamura	3841492
TTB		US-5,224,459	07-06-1993	Middlebrook	1231559.1

Examiner Initials*	Cite No. ¹	FOREIGN PATENT DOCUMENTS		Name of Patentee or Applicant of Cited Document	Class / subclass Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁴
		Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY			
TTB		JP-405272494-A	10-19-1993	Somahara et al.	Duplicate	
		DE-40 11 818-A1	10-17-1991	Herwig	F02C 6/12	
		DE-42 26 550-A1	02-17-1994	Mundorff et al.	F02B 37/04	
		JP-357183523-A	11-11-1982	Takamatsu	F02B 33/00	
		JP-405106457-A	04-27-1993	Nakamura	F02B 33/40	
TTB		JP-403168329-A	07-22-1991	Tateno	F02B 39/04	

Examiner Signature

Haibabreue

Date Considered

07/18/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 3**Complete if Known**

Application Number	10/657,318
Filing Date	09/08/2003
First Named Inventor	Martin, Allen
Art Unit	3748
Examiner Name	Trieu, Thai-Ba
Attorney Docket Number	PHDL0525-006

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
TTB		US- 5,334,107	08-02-1994	White	474/238
		US- 5,415,592	05-16-1995	Hoyt	474/85
		US- 5,522,667	06-14-1996	Miyake	384/492
		US- 5,704,862	01-06-1998	Janne et al.	474/238
		US- 5,851,635	12-22-1998	Di Giacomo et al.	474/248
		US- 6,012,436	01-11-2000	Boutcher	123/559.1
		US- 124,131	02-27-1872	Hagerty	474/135
		US- 148,808	03-24-1874	Cleves	474/133
		US- 235,018	11-30-1880	Poullain et al.	474/252
		US- 664,505	12-25-1900	Richards	474/135
		US- 1,286,482	12-03-1918	Yoder	474/135
		US- 2,835,238	05-20-1958	Oehrli	123/559.1
		US- 2,917,935	12-22-1959	Haug	474/84
		US- 4,028,955	06-14-1977	Fisher et al.	474/238
		US- 4,216,679	08-12-1980	Howerton et al.	474/238
		US- 4,369,020	01-18-1983	Rahnke	417/64
		US- 4,653,349	03-31-1987	Kaneyuki	475/153
		US- 6,082,340	07-04-2000	Meimark	Duplicate
TTB		US- 4,149,497	04-17-1979	Zeliszewycz	123/533

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
TTB		JP-406058158-A	03-01-1994	Teraoka	F02B 39/12
TTB		JP-404050432-A	02-19-1992	Shirai	F02B 33/40

Examiner
Signature*Thaibabrieu*

Date

Considered

07/18/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Complete if Known

Application Number	10/657,318
---------------------------	-------------------

Filing Date	09/08/2003
--------------------	-------------------

First Named Inventor	Martin, Allen
-----------------------------	---------------

Art Unit	3748
----------	------

Examiner Name	Trieu, Thai-Ba
---------------	----------------

Attorney Docket Number	PHDL0525-006
------------------------	--------------

Sheet	3	of	3
-------	---	----	---

[illegible]

Examiner Signature	<i>S. Hababre</i>	Date Considered	07/18/05
-----------------------	-------------------	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.